PATENT APPLICATION

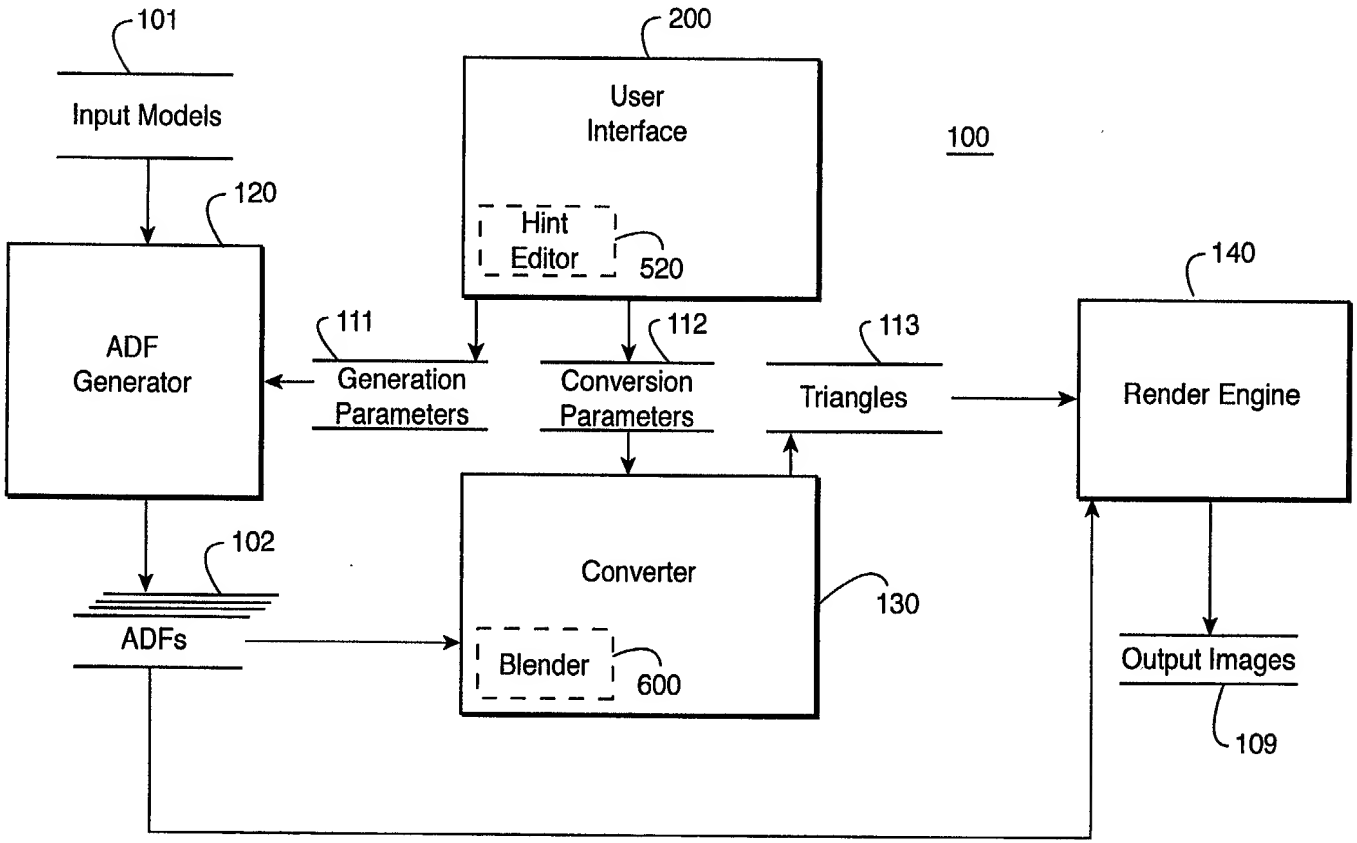

FIG. 1

PATENT APPLICATION

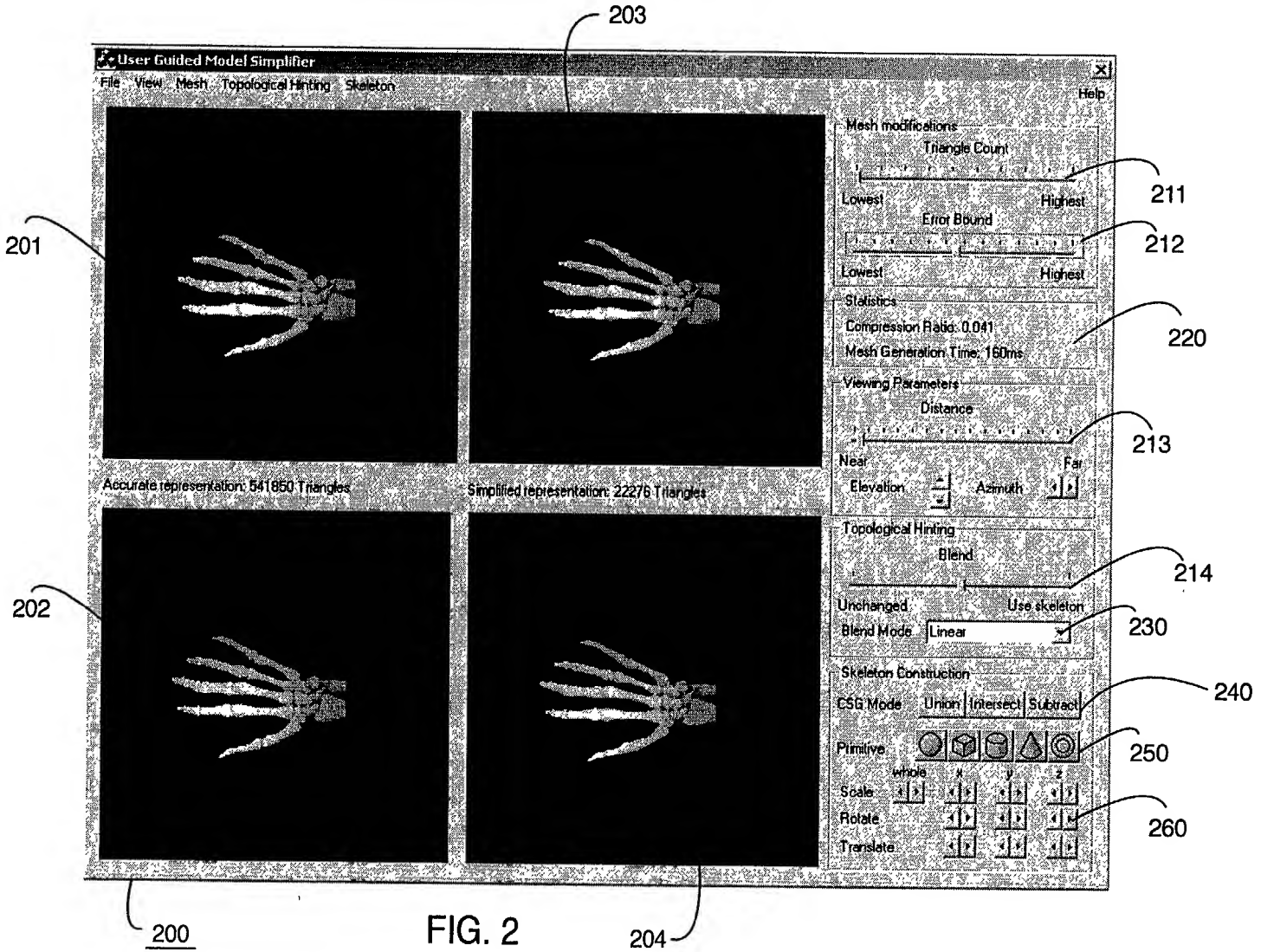

FIG. 2

Triangles	Cow	Triangles	Bunny
12	<10ms	502	<10ms
868	<10ms	2192	10ms
2010	10ms	21878	40ms
5202	10ms	69790	130ms
Triangles	CSG Object	Triangles	Hand
552	<10ms	12807	20ms
1848	10ms	49866	90ms
22584	40ms	197854	360ms
202564	360ms	541850	930ms

FIG. 3

TOSTSO" 2SSOTSSO

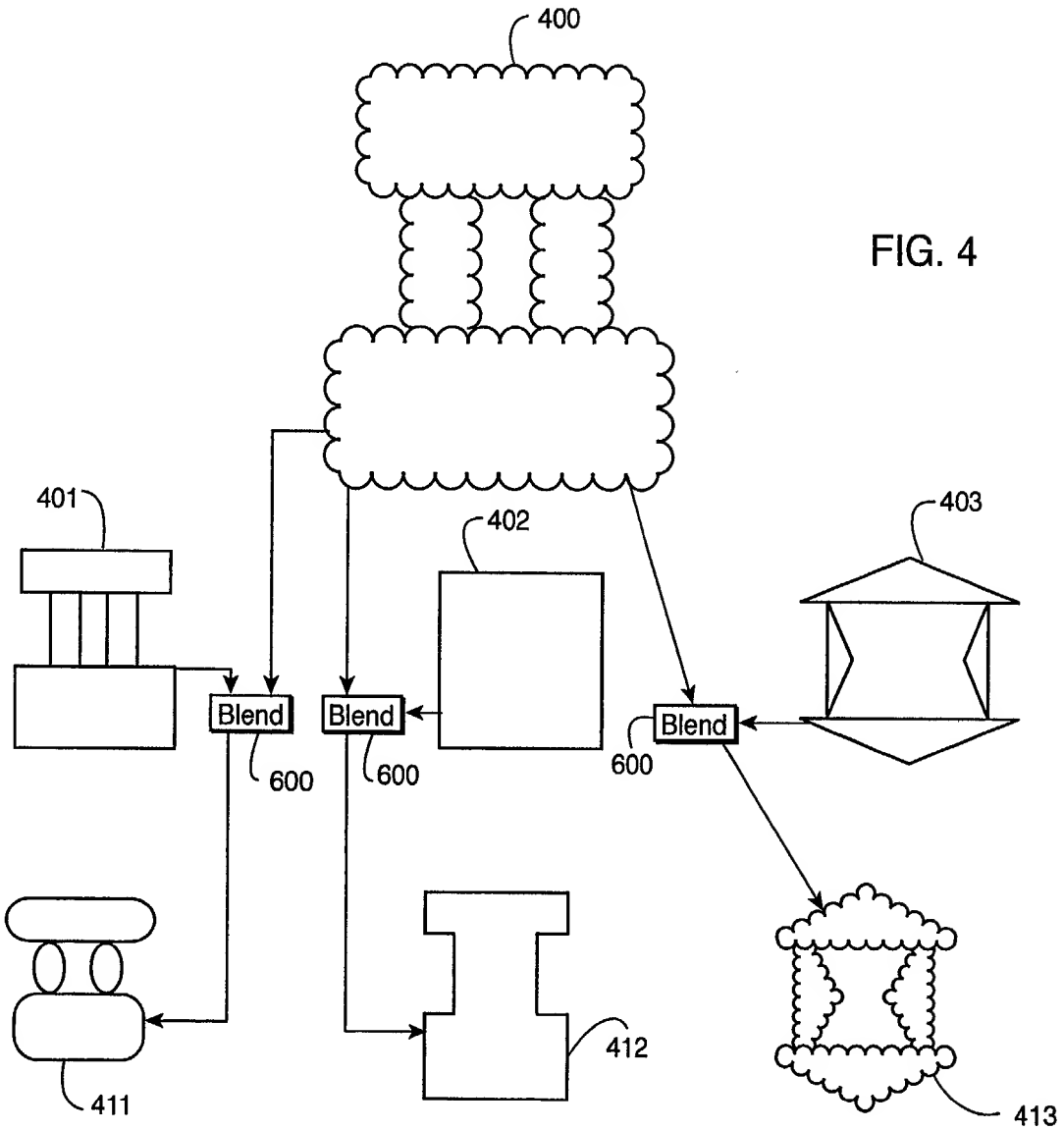

FIG. 4

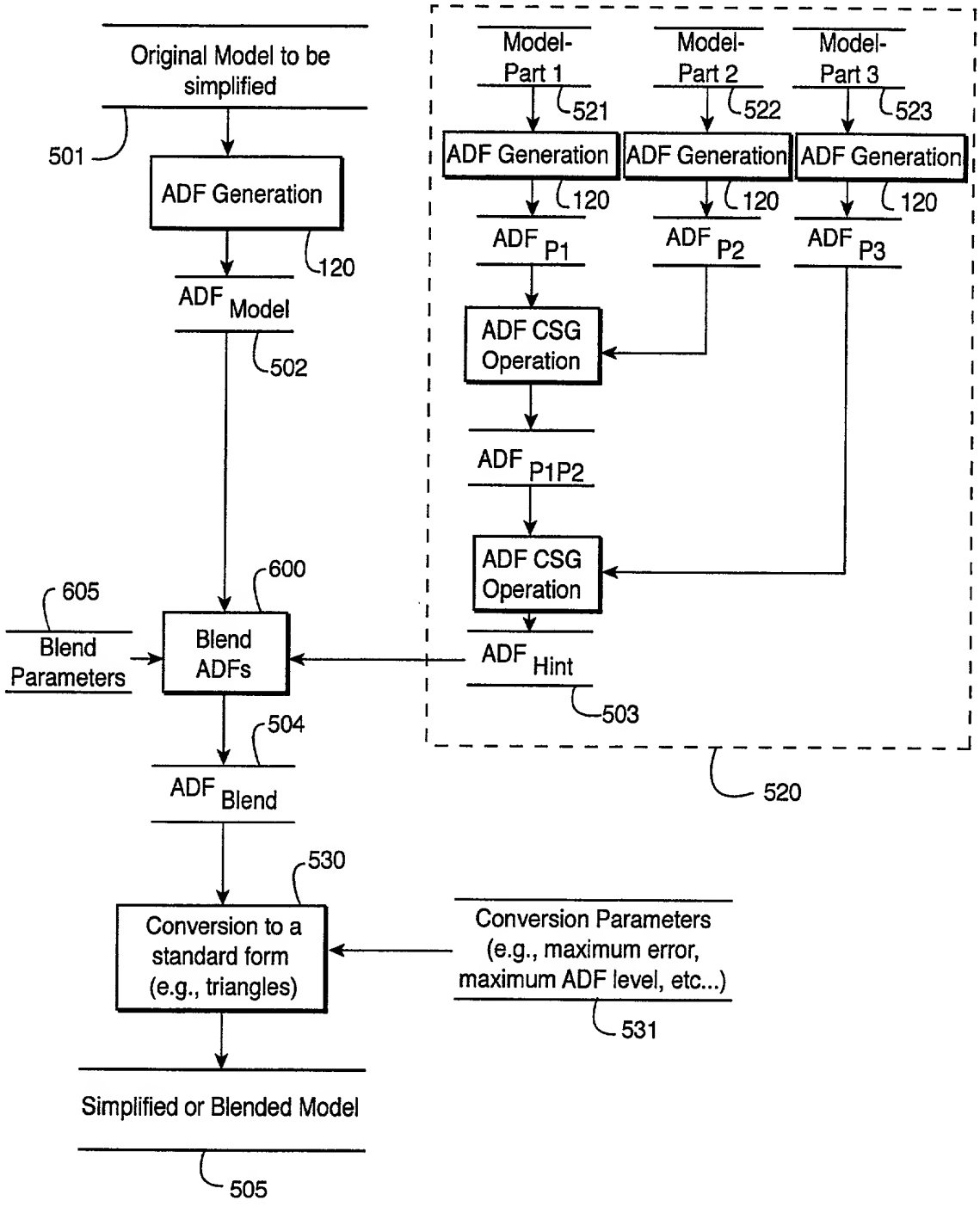
Original Model to be simplified
501
ADF Generation
120
ADF Model
502
Model-Part 1
521
Model-Part 2
522
Model-Part 3
523
ADF Generation
ADF Generation
ADF Generation
120
120
120
ADF P1
ADF P2
ADF P3
ADF CSG Operation
ADF P1P2
ADF CSG Operation
ADF Hint
503
520
605
Blend Parameters
600
Blend ADFs
504
ADF Blend
530
Conversion to a standard form (e.g., triangles)
Conversion Parameters (e.g., maximum error, maximum ADF level, etc...)
531
Simplified or Blended Model
505

FIG. 5

TOP750 "2607252

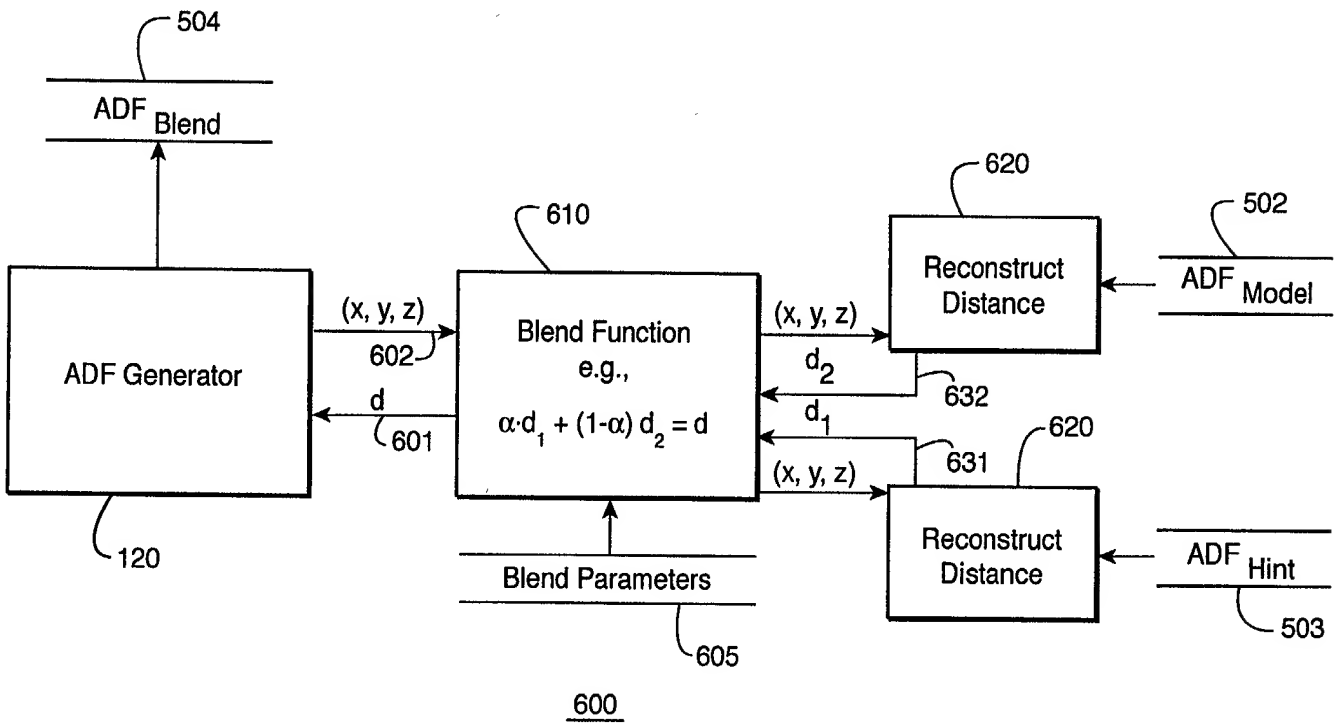

FIG. 6